

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2005/000244

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B23C 5/20 // B23B 27/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B23B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02055245 A1 (SANDVIK AKTIEBOLAG), 18 July 2002 (18.07.2002), figure 6, abstract	1-7
Y	--	8
Y	US 5931613 A (B. LARSSON), 3 August 1999 (03.08.1999), figure 6	8
A	--	1-7
A	EP 1260295 A1 (SECO TOOLS AB), 27 November 2002 (27.11.2002), figure 2, abstract	1-8
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

19 May 2005

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25-05-2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6146060 A (C. RYDBERG ET AL), 14 November 2000 (14.11.2000), figures 2A-C, abstract --	1-8
A	US 6102630 A (D.P. FLOLO), 15 August 2000 (15.08.2000), figure 11, abstract --	1-8
A	WO 2004002662 A1 (SECO TOOLS AB), 8 January 2004 (08.01.2004), figures 14-16 -- -----	1-8

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WO	02055245	A1	18/07/2002	AU	2722401	A	17/09/2001
				CN	1484563	A,T	24/03/2004
				EP	1349691	A	08/10/2003
				JP	2004517739	T	17/06/2004
				SE	520997	C	23/09/2003
				SE	0100053	A	10/07/2002
				US	20040071515	A	15/04/2004

US	5931613	A	03/08/1999	AT	237970	T	15/05/2003
				AU	2919397	A	05/12/1997
				CN	1098739	B,C	15/01/2003
				CN	1251547	A,T	26/04/2000
				DE	69721325	D,T	25/03/2004
				DE	69807192	D,T	27/03/2003
				EP	0964761	A,B	22/12/1999
				EP	0975246	A,B	02/02/2000
				JP	2000512917	T	03/10/2000
				SE	511390	C	20/09/1999
				SE	9700779	A	06/09/1998
				US	6050014	A	18/04/2000
				US	6146061	A	14/11/2000
				WO	9839122	A	11/09/1998

EP	1260295	A1	27/11/2002	AU	8276101	A	25/02/2002
				CA	2417338	A	21/02/2002
				EP	1311722	A	21/05/2003
				JP	2004506818	T	04/03/2004
				SE	523766	C	18/05/2004
				SE	0101752	A	19/11/2002
				US	20020192042	A	19/12/2002

US	6146060	A	14/11/2000	BR	9806056	A	31/08/1999
				CN	1092551	B,C	16/10/2002
				CN	1229375	A,T	22/09/1999
				CZ	293519	B	12/05/2004
				CZ	9900580	A	15/12/1999
				DE	69807182	D,T	27/03/2003
				EP	0934135	A,B	11/08/1999
				SE	0934135	T3	
				HK	1023086	A	00/00/0000
				IL	128268	A	31/10/2001
				JP	2001506190	T	15/05/2001
				PL	187875	B	29/10/2004
				PL	331682	A	02/08/1999
				SE	509540	C	08/02/1999
				SE	9702500	A	31/12/1998
				WO	9900208	A	07/01/1999

US	6102630	A	15/08/2000	NONE
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WO 2004002662 A1 08/01/2004

AU	2002347732 A	00/00/0000
EP	1450984 A	01/09/2004
SE	525583 C	15/03/2005
SE	0202029 A	02/01/2004
SE	0203356 A	02/01/2004
US	20040057785 A	25/03/2004
US	20040067112 A	08/04/2004
US	20050000091 A	06/01/2005
WO	2004002661 A	08/01/2004
